Governors State University

Combined and Design

Version X

**Your Unique Company Name**

**Street Address**

**City, State, Zip Code**

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Rev | Date | Purpose | Originator |
| Draft | mm-dd-year | First draft | Author(s) name |
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# Feature and Technical Description

This section provides a high level description of the feature, service or capability. The following are some questions that can be used as a guideline in completing this section:

1. Why is the feature important or difference?
2. What problem does it solve?
3. Does it provide a new service, replace an existing service, or enhance an existing service?
4. What is the service date and applicable generic?

This information should be presentable to customers (i.e. written in business/customer understandable details, not technical details). Please note that you should be able to extract most of the needed information from project description document.

# Definitions and Acronyms

Acronym items should be included here. For each special term supply a definition here.

**GSU** – Governors State University

**App** – Software Application

**DB** - Database

# Feature Requirements

This section provides a brief explanation of the use of named and enumerated requirements to identify and number requirements. Requirements need to be enumerated, but different tools can be used to accomplish this. The following format is an example:

All requirements in this document are marked using a numbering format. Each requirement is numbered using the following format:

**<Company-Function-Capability-“requirement number”-version>**

**Requirement text is located here (indicated by bold font).**

Explanatory text related to the requirement should also be provided (indicated by non-bold font)

***Sample Requirements:***

***Note: these are samples, to avoid any plagiarism confusion from others, please update them to your unique specification as needed, i.e., please specify what information are needed to support your requirement.***

**<Unique Company Name –Customer- 00010 v1> (Your Name)**

The feature should be able to generate a customer list based on the combination of the input parameters (e.g, state, city, Computer type, Application Software).

Implementation: Mandatory or Optional depend on the needs.

**<Unique Company Name-Saleman-000300 v1> (Your Name)**

The feature should be able to generate a list of all customers that are manage by a particular sale person.

Implementation: Mandatory or Optional depend on the needs.

**<Unique Company Nam-Location-000500 v1> (Your Name)**

The feature should be able to generate a list of all customers specified by their city name.

Implementation: Mandatory or Optional depend on the needs.

As you can see from the example, the more detailed requirements will insure that a design is actually implemented to meet specific customer request. For this class exercise, **please list at least 10 requirements.**

# Design Description

Replace this section with a description of the feature design. Describe what the design pieces are, and how they work together to accomplish the desired feature functionality. Descriptions of scenarios and data flows may be helpful here. The format of this section is left to the author’s discretion, to allow whatever method of description the author believes provides the reader with the best understanding of this feature design. Liberal use of diagrams is recommended.

However, it is this section that binds together all of the subsequent sections which describe interface and subsystem impacts.

## Design Units Impacts

Each subsystem (or design unit) should have its own subsection below. It could be one design unit that covers every requirement, or you could have multiple design unit, each to cover a subset of customer requirements. In this section, please apply/incorporate as many theories, data model(s), diagrams, software design process etc. as you can and explain why you choose each for your design. Prototype each of your design unit if possible. Please note that prototype could be pseudo or actual coding as needed. The database constraints, if any, should also be specified in the design.

## Design Unit A (e.g. Main Control Process)

### ***Functional Overview***

Replace this section with a brief overview of the impacts to the functionality of the subsystem (design unit).

### ***Associated Requirements***

Replace this section with a list of feature requirements covered by this subsystem (from the set of total feature requirements).

## Design Unit B (e.g. Parameter Screening and Handling Process)

### ***Functional Overview***

### ***Associated Requirements***

# Open Issues

This section should be part of the document only when the document is in a draft form

# Acknowledgements

This section should include a reference to prior authors, etc. and others who have assisted in the generation of this document.

# References

All references should include, author, the title of the document, doc ID# and issue date. Please use the following free web site to help generate references/citations from other resources. <http://www.harvardgenerator.com/>

# Appendices

List all appendixes here.